Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Division

Name of Work: Improvements to Roads and Drains at Kondappa Layout 17th cross and 20th cross road in Chowdeshwari ward no 02

					Estimate Cost Rs.			20.00 Lakhs	
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	180.00							
	Area weightage 6%	10.80							
	Sub total	190.80							
	Lead 10 km	**82.60**							
	Total	**273.40**							
	For Drain & Culvert								
	Kondappa Layout								
	19th to 25th cross	1	90.00	1.00	1.00	90.00			
	cross road	1	50.00	1.00	1.00	50.00			
						140.00	**Cum**	**273.40**	**38,276.00**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)								
	Basic rate	5194.00							
	Area weightage 6%	311.64							
	Total	**5505.64**							
	For Drain & Culvert								
	Kondappa Layout								
	19th to 25th cross	1	90.00	1.05	0.15	14.18			
	cross road	1	50.00	1.05	0.15	7.88			
	Kondappa Layout - Road								
	25th cross to JB School	1	106.00	5.00	0.15	79.50			
						101.55	**Cum**	**5505.64**	**559097.74**
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (P.No.14, I.No.4.11 of PW, P&IWTD S.R 2018-19)								
	Basic rate	5659.00							
	Area weightage 6%	339.54							
	Total	**5998.54**							
	For Drain & Culvert								

	Kondappa Layout								
	Raft								
	19th to 25th cross	1	90.00	0.90	0.15	12.15			
	cross road	1	50.00	0.90	0.15	6.75			
	Wall								
	19th to 25th cross	2	90.00	0.15	0.60	16.20			
	cross road	2	50.00	0.15	0.60	9.00			
						44.10	**Cum**	**5998.54**	**264535.61**
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I No-4.31,P No-15)								
	Basic rate	358.00							
	Area weightage 6%	21.48							
	Total	**379.48**							
	For Drain & Culvert								
	Kondappa Layout								
	19th to 25th cross	4	90.00		0.60	216.00			
	cross road	4	50.00		0.60	120.00			
						336.00	**Sqm**	**379.48**	**127505.28**
5	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area weightage 6%	4188.24							
	Total	**73992.24**							
	For Drain & Culvert								
	60Kg/Cum of Concrete		44.10	60.00		2.65			
						2.65	**Tn**	**73992.24**	**195783.47**
6	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	For Drain								
	Kondappa Layout								
	19th to 25th cross	1	90.00	0.75		67.50			
	cross road	1	50.00	0.75		37.50			
	missing/damaged slabs	52	0.60	0.90		28.08			
						133.08	**Sqm**	**2337.00**	**311007.96**
7	KSRRB M300-14. **Excavation for roadwork** in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No143., I.No.19.14 of KPWD S.R 2018-19).								
	Basic rate	41.00							
	6.00% AW	2.46							

	Sub total	43.46							
	5 Km Lead	25.6							
	Total	69.06							
	Kondappa Layout								
	25th cross to JB School	1	106.00	5.00	0.30	159.00			
						159.00	Cum	69.06	10,980.54
8	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.(P.No.176, I.No. 22.6.1) PWD SR 2018-19								
	Basic rate	4916.00							
	6% AW	294.96							
	Sub Total	5210.96							
	Kondappa Layout								
	25th cross to JB School	1	106.00	5.00	0.10	53.00			
						53.00	Cum	5210.96	276180.88
								Total Construction Cost	1783367.49
								12% GST	214004.10
								Sub Total	1997371.58
								Miscellaneous & Rounding off	2,628.42
								GRAND TOTAL	2000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Ward No-02
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

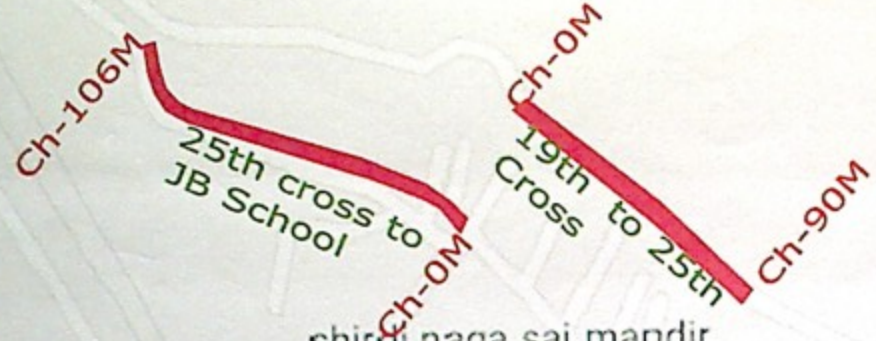
Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Sanction for Rs. 20.00 Lac
Twenty Lacths
-only-
is accorded under head P-1771-2018-19
Registered as CE No. ..... Subject to conditions contained in enclosed memo No CE/AA/205/18-19 Dt. 25-2-19

Chief Engineer

TECHNICALLY SANCTIONED FOR Rs. 20.00 L
Rupees Twenty Lacths
-only
Under P-1771-2018-19
Registered as CE ( ) No 99
Subject to conditions contained in enclosed memo EE ( ) No /9/
Dt. EE/TS/150/18-19 Estimate A/ Sanctioned No
Dated 25-2-19 Rs. 20.00 Lac

Executive Engineer



shirdi naga sai mandir
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ಸಾಯಿ ಮಂದಿರ

Yelahanka Kere

Yelahanka Lake
ಯಲಹಂಕ
ಅಮಾನಿ ಕೆರೆ

Ganapathi Temple

Siddeek Masjid

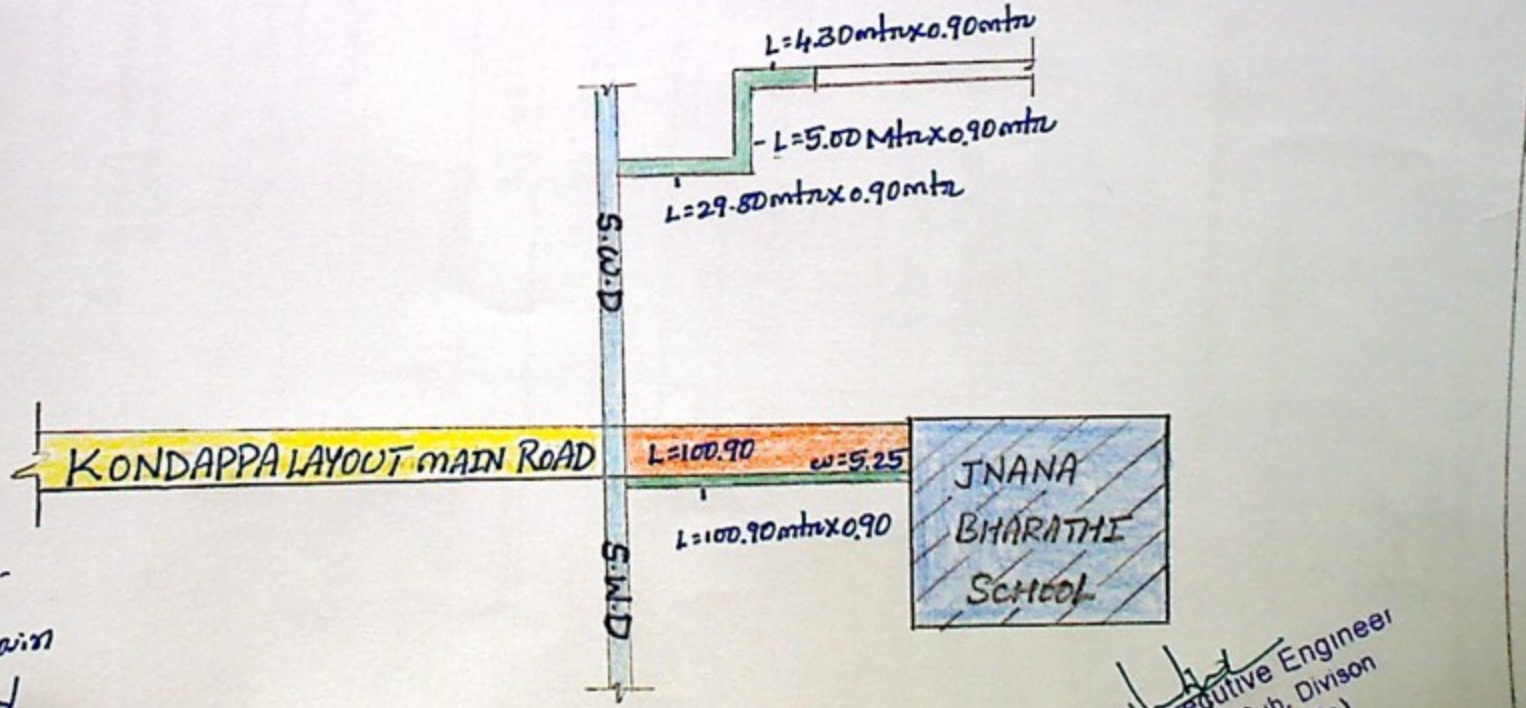
Hindu Temple
Markandeya
Swamy Temple

RCC DRAIN
CONCRETE ROAD
ASPHALT ROAD
FLAGGING COURSE

ıead

CLIENT:				Project Name:	scale: N.T.
BRUHAT BANGALORE MAHANAGARA PALIKE	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Improvements to roads and drains at Kondappa Layout 17th to 20th Cross Roads in Chowdeshwari Ward No-02	Date
				Dwg no:	Rev: R0

Name of work:- Improvements to roads and drain at Kondappa Layout 17th Cross and 20th Cross road in chowdeshwari ward No-02.



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- C.C Road

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore